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**DUFF - NORTON**  
**LIFTING JACKS**

**FOR**

**PUBLIC UTILITY SERVICE**

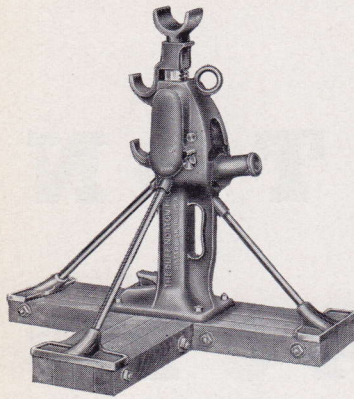


**THE DUFF-NORTON MANUFACTURING CO.**  
*"The House That Jacks Built"* **PITTSBURGH, PA.**

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# CABLE REEL JACKS



No. 1030-CR

## DUFF- NORTON AUTOMATIC LOWERING CABLE REEL JACK WITH "T" BASE

This Jack is particularly adapted for heavy cable reels 36 inches to 84 inches in diameter, and for outside work where uneven ground conditions are encountered.

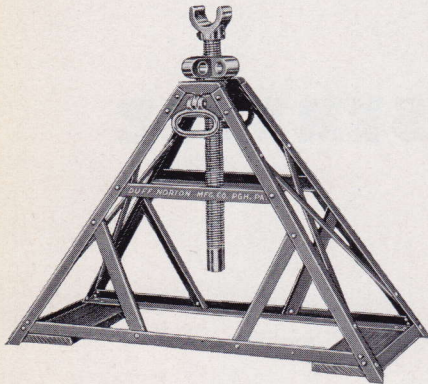
Firmly attached to a sturdy T-Frame Base which has been sectioned to prevent warping, the Jack is fitted with threaded rods for adjustment. These Jacks are standard with major utility companies throughout the country.

They are furnished in pairs—one left and one right—permitting those operating to continually view the raise of both Jacks, resulting in uniform lift of the load.

The top hook is for 3 inch diameter spindles—the two lower hooks for 2½ inch diameter spindles.

Single Acting Jack

Jack No.	Capacity Tons	Height Inches	Raise Inches	Weight Pounds	Code Word	List Price Each
1030-CR	10	30	14	104	Chew	\$55.00



No. 530-CR

## DUFF- NORTON SCREW TYPE CABLE REEL JACKS

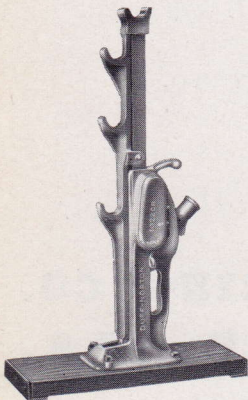
Though simple in design these rugged Jacks are most reliable and efficient on the job. Merely lift the curved cap to the reel spindle, spin the three-way nut down to the frame, and the operation is completed by inserting a ¾-inch steel bar in the three-way nut and turning.

The lifting hook will accommodate up to 2¼ inch diameter spindles.

Jack No.	Capacity Tons	Height Inches	Raise Inches	Weight Pounds	Code Word	List Price
520-CR	5	20	11½	51	Chan	\$18.00
530-CR	5	30	16½	89	Char	24.00

For reels of 42 inches to 60 inches in diameter, use No. 520-CR.

For reels 60 inches to 90 inches in diameter, use No. 530-CR.



539-CR

## DUFF-NORTON AUTOMATIC LOWERING CABLE REEL JACKS

These jacks have been designed to meet the special requirements of telephone and cable companies, as well as the vast number of other users of jacks for handling Cable Reels of various diameters and weights.

The No. 521-CR is equipped with the new Duff Adjustable Cable Reel Lift, incorporating a steel hook which can be placed at any point on the lifting rack. It is thus enabled to pick up reels of different diameters at any height. No. 521-CR is especially adapted for warehouse use, handling cable, wire and hemp rope, leather belting, etc.

The No. 518-CR and No. 539-CR are equipped with extra long lifting racks, having hooks placed at various heights to make handling of reels of different sizes rapid and convenient. These two sizes are recommended for general outdoor service for cable reels up to 90 inches in diameter.

Oak base with quick detachable clamps, and 4 foot steel operating lever furnished with each jack.

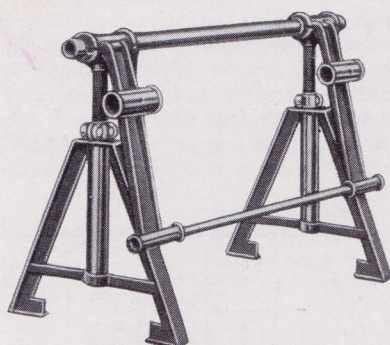
Single Acting Jacks

Jack No.	Capacity Tons	Height Inches	Raise Inches	Weight Pounds	Code Word	List Price
521-CR	5	21	14	68	Cabre	\$30.00
518-CR	10	38	12	108	Cabto	50.00
539-CR	15	39	11	138	Cabfu	65.00

Prices subject to change without notice.



## CABLE REEL JACKS



No. 46-CR

### DUFF- NORTON "A" FRAME CABLE REEL JACK UNIT

Adjustable Cable Reel Jack suitable for handling all sizes of cable drums up to 90 inches in diameter. Jack sturdily constructed of channel sections and quickly adjustable for handling smallest to largest size reels.

Especially suited for use around warehouses and general telephone and cable construction. This unit especially suited for field work where uneven ground conditions are encountered, it also stores readily in the work truck when disassembled due to the shape and size of each individual frame.

Loads may be lifted with this jack unit at three different points.

Jack No.	Closed Height Inches	Open Height Inches	Weight Pounds	Code Word	List Price Complete
46-CR	29	48	140	Chap	\$75.00

## POLE JACKS



No. 500

### DUFF-NORTON AUTOMATIC LOWERING POLE PULLING JACK

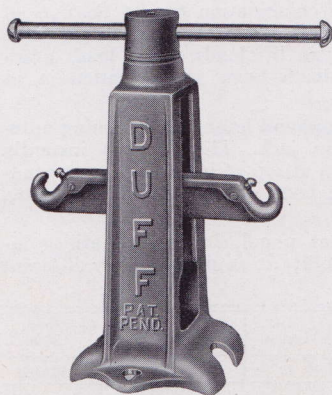
The new Pole Jack No. 500 possesses many new features that assure increased service and safety and make it unquestionably the most efficient of all jacks for lifting, straightening or moving poles of all kinds.

It eliminates the necessity of laborious digging around stumps before moving or straightening. It therefore saves an immense amount of time and expensive labor. It is able to move the heaviest pole with ease, regardless of size or depth in the ground. It is unusually efficient and can be depended upon at all times to lift much more than its rated capacity.

Single Acting Jack

Jack No.	Capacity Tons	Height Inches	Raise Inches	Weight Pounds	Code Word	LIST PRICE	
						Complete	Without Chain
*500	15	37½	23	116	Polej	\$70.00	\$60.00

\* When purchased complete, is furnished with steel operating lever, I beam base and chain.



No. 565

### DUFF- NORTON POLE SNUBBING JACK

A need has long existed for a quick and efficient method of snubbing telegraph and telephone poles. This requirement is met with this new Pole Snubbing Jack. With this Jack poles can be tied quickly, tighter, neater, and easier than by any other method.

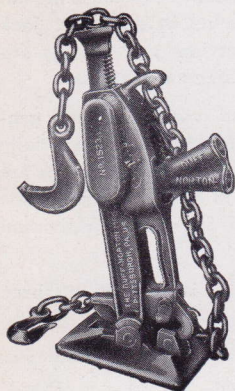
This Jack has been designed expressly to do one job, and do it well. It is easily attached. Simply drive a nail into the existing pole where the new pole is to be tied. A slot on the Jack fits over the nail leaving the operator's hands free to place wire in position. By simply turning the handle easily the poles are held together tightly for permanent clamping.

Jack No.	Height Inches	Pulling Range Inches	Weight Pounds	Code Word	List Price
565	13½	6¼	20	Chet	\$16.00

Prices subject to change without notice.



# GENERAL PUBLIC UTILITY SERVICE



No. 1523

## DUFF-NORTON 4-WAY GENERAL PURPOSE JACKS

Widely used in the Public Utilities industry, these dependable general purpose jacks are featured by a hinged or pivotal base, permitting the jack to be operated at any angle for shoving or pushing. In the upright position, it is ideal for all general lifting purposes; is conveniently handled and spotted and easily operated by one man. The steel chain fits into slots on top of jack and can be used as a sling to engage various objects. Double socket lever aids effective operation in close quarters.

### Single Acting Jacks

Jack No.	Capacity Tons	Height Inches	Raise Inches	Weight Pounds	Code Word	LIST PRICE	
						Complete	Without Chain
523	5	23	13½	40	Gars	\$22.00	\$19.00
*1523	15	23	12½	67	Genpu	48.00	38.00

\* Furnished with 4 foot steel operating lever, pinch bar end.  
No. 523 furnished with 36" steel operating lever.

Duff-Norton Genuine Barrett Automatic Lowering Jacks are famous throughout the Public Utilities industry for their speed, safety, and exceptionally long life. This has been made possible by the world-famous Genuine Barrett mechanism, an exclusive feature found only in Duff-Norton Automatic Lowering Jacks.

This spring actuated mechanism is self-contained in a housing and can be easily removed bodily from the jack for occasional adjustment, or renewal after long service. There are no loose pieces, bolts, or nuts to adjust within the jack.

These jacks can be readily furnished with curved top, grooved top for use with chain, or auxiliary shoe, for special applications at slight extra cost. Raises given below indicate the total travel of the rack.

### Single Acting Jacks

Jack No.	Capacity Tons	Height Inches	Raise Inches	Weight Pounds	Code Word	List Price
1017	10	17	9	40	Glean	\$22.00
1020	10	20	11½	50	Glow	24.00
1022	10	22	12	60	Grope	25.00
1522	15	22	11½	78	Grape	38.00
1528	15	28	18	91	Green	40.00
2028	20	28	18	94	Giant	45.00

No. 1022 is regularly furnished with double socket and steel operating lever.

Nos. 1017, 1020, 1522, 1528, 2028 furnished with single socket and steel operating lever, but double socket can be furnished if desired.

The above listed Jacks can also be equipped with square sockets to fit lining bar. If furnished thusly, deduct \$2.00 from list price.

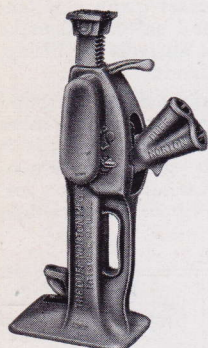
This jack embodies a combination of the features of the automatic lowering and trip jacks. It is a veritable "jack of all trades." It can lift loads, lower loads gradually, or trip or drop loads from any elevation in its range.

Technically, it is a compound lever, double acting automatic lowering and trip jack. The load is instantly dropped by the small trip at top of base casting, or gradually lowered by raising lever at the side of the frame, whichever is desired.

This jack enjoys great popularity in the utility industry due to its adaptability to so many widely different kinds of work.

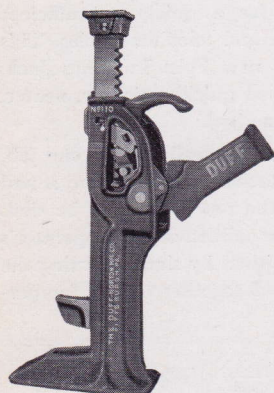
Jack No.	Capacity Tons	Height Inches	Raise Inches	Weight Pounds	Code Word	List Price
110	15	22	13	59	Dike	\$21.00†

†List price shown covers square socket lever to fit lining bar. Add \$1.00 to list if round socket lever and wood handle are desired.



No. 1022

## DUFF-NORTON AUTOMATIC LOWERING JACKS



No. 110

## DUFF-NORTON COMBINATION TRIP AND AUTOMATIC LOWERING JACK

Prices subject to change without notice.



# GENERAL PUBLIC UTILITY SERVICE



No. 304

## DUFF-NORTON SIDE LIFT TRACK JACK

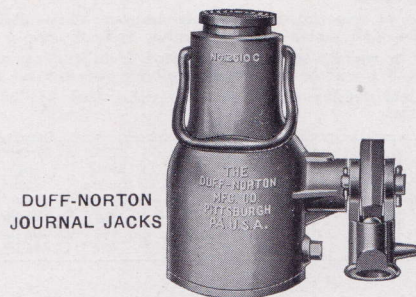
Track Maintenance men will welcome the unusual advantages of this new Duff-Norton Double Acting Track Jack which has been designed with a convenient footlift at the SIDE of the frame instead of the usual location in the back.

This feature permits the lever to work parallel with the track or load to be raised and is of great advantage in track work where the rails are close to a platform or warehouse siding . . . also in narrow tunnels where the ordinary style of track jack would interfere with the free operation of the lever and would necessitate placing an ordinary jack inside the rails, which is prohibitive in track work.

Jack No.	Capacity Tons	Height Inches	Raise Inches	Weight Pounds	Code Word	List Price*
304	15	22	13	60	Side	\$21.00

Furnished with square socket for use with lining or crowbar.  
\*Add \$1.00 to list price if round socket lever and wood handle are desired. When ordering, specify style of socket lever desired.

## LOW HEIGHT JACKS FOR HEAVY, LOW-SET LOADS



No. 2510-C-1

DUFF-NORTON  
JOURNAL JACKS

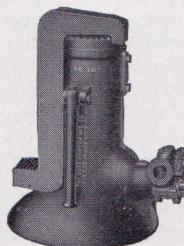
These Jacks represent our latest model of Journal Jacks. They incorporate all the distinctive qualities of our previous line of both Duff and Norton Journal Jacks, for many years the recognized standard Ball-Bearing Journal Jack of the railroad industry. Small and light in weight, easy to carry as a lantern, easy to operate, rapid raising and lowering, powerful in lifting ability, absolutely safe up to rated capacity.

Special features—one-piece Shell, cold-drawn seamless steel Lifting Standard, high carbon heat treated Lifting Screw, phosphor bronze Nut, high manganese chrome steel heat treated Gears, and pinion shank phosphor bronze bushed. No bolts or nuts to come loose. Special Positive Stop Safety Feature prevents Standard from being run out of base. Furnished with 3 foot solid steel operating lever with pinch bar end.

Jack No.	Capacity Tons	Height Inches	Raise Inches	Weight Pounds	Code Word	List Price
111-C	15	10	5	29	Cake	\$25.00
2509-C-1	25	9	4½	35	Cardo	36.00
2510-C-1	25	10	5	36	Claro	36.00
3510-C-1	35	10	5	50	Cisco	55.00
5010-C	50	10	4½	61	Cabel	95.00
*1007	10	7	2½	22	String	23.00

\*1007 Cone Bearing instead Ball-Bearing.

DUFF-NORTON  
INVERTED  
FOOT LIFT JACKS



No. 5017

Jack No.	Capac. Tons	Height Inches	Raise Inches	Diam. of Base Inches	Weight Pounds	Code Word	List Price
5017	50	19¾	7	15	180	Carl	\$135.00
5016	50	16	7	8	110	Obfis	122.50

These low height ball-bearing screw Jacks are of sturdy design, convenient to spot, easy to operate and durable under continued severe usage. No. 5016 does not have foot lift, and is intended for head lift only.

These Jacks supplied with steel operating lever with pinch bar end.

Prices subject to change without notice.



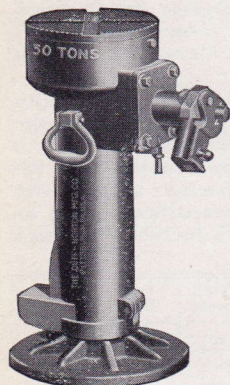
# HEAVY DUTY BALL BEARING SCREW JACKS

These jacks are especially suitable for heavy duty utility service, all working parts being of sturdy design. Every part is accurately finished to gauges, to insure easy and positive movement and prompt, easy replacement.

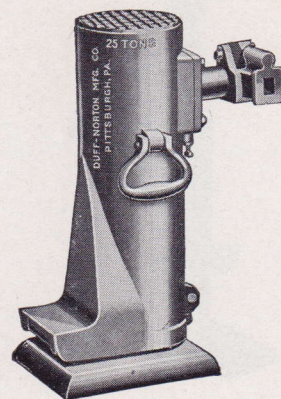
Minimum effort is required to handle the load on account of leverage used.

Convenient carrying handles are provided—one on either side of frame. Foot lift, rated at half the capacity of the jack, is very convenient for handling low loads.

These jacks are designed for heavy duty of any character, such as bridge work, handling of heavy machinery, etc. 50 ton sizes designed with large head.



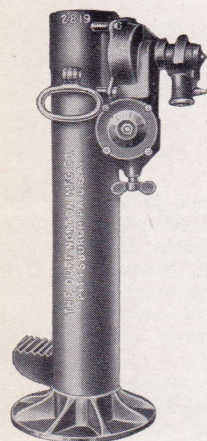
No. B-5024



No. B-2522

Jack No.	Capac. Tons	Height Inches	Raise Inches	Diam. of Base Inches	Weight Pounds	Code Word	List Price
B 1522	15	22	10	7½x7½	105	Abyss	\$ 60.00
*F	15	24	12	8x9	128	Fruit	65.00
60	15	26	13	8x9	130	Omar	70.00
B 2522	25	22	10½	8x9¾	140	Adjust	90.00
B 2526	25	26	14¾	8x9¾	157	Atlas	95.00
B 3522	35	22	10½	9x10½	171	Absent	130.00
B 3526	35	26	14	9x10½	201	Amber	138.00
B 5024	50	24	9½	14	266	Alto	150.00
B 5027	50	27	13¾	14	298	Anchor	150.00

\*Style F jack is designed to give double speed over other types listed.



No. 2819

## DUFF-NORTON GOVERNOR CONTROLLED SELF-LOWERING JACKS

This New Model SELF-LOWERING JACK was designed to meet the insistent demand for an ABSOLUTELY SAFE JACK for raising and lowering cars in the repair shop.

Easy to operate—a SAFE ONE MAN JACK requiring a minimum of manual strength and effort. One man can operate jack to full capacity.

ABSOLUTELY SAFE fast lowering is accomplished by simply turning the thumb screw lock. The jack lowers the load automatically. No surge, no wobble, no danger. Governor controls the lowering speed.

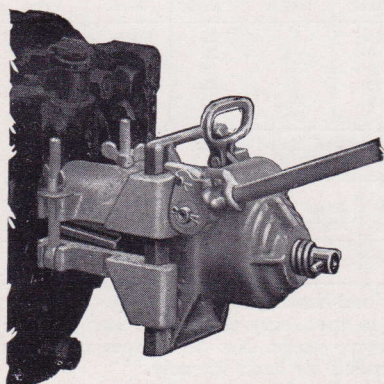
SPEED—so essential, is positively assured. These jacks lift and lower the load faster than any other type of empty car jack.

Light in weight—easily transported from one car to another. The foot lift will be found very suitable for low set loads.

This jack readily adaptable for truck-trailer use by attaching special top.

Jack No.	Height Inches	Raise Inches	Diam. Base Inches	Diam. Head Inches	Weight of Jack	List Price
2219	22	11	10	4¾	95 lbs.	\$68.00
2819	28	17	10	4¾	109 lbs.	68.00
3419	34	21	10	4¾	134 lbs.	80.00

## DUFF-NORTON PINION PULLER



The simplest, quickest, and most positive tool ever developed for use wherever motors or pinions are used extensively. The pull is absolutely uniform around the entire periphery of the pinion. Worm and screw action effects an almost unbelievable force. Made from the highest grade metals—housing and jaws are electric-steel castings; worm and screw are case hardened steel. Ball bearings used throughout.

In addition to pulling pinions, this unique tool can be very quickly and economically adapted to the removal of pulleys, small flywheels and other appurtenances from almost any kind of shaft.

Pinion Puller	Weight Pounds	Code Word	List Price
No. 55	50	Pinpu	\$120.00

Jaws furnished as ordered extra, as follows:

Jaws No.	Dimensions in Inches			Weight Pounds	Code Word	List Price
	A	B	C			
J-553	3½	5½	6¾	25	Pinaj	\$25.00
J-555	5	8¾	6¾	30	Pinja	30.00
J-557	7¾	10¾	6¾	39	Pinmi	40.00
J-5510	10	11¾	6¾	45	Pinix	45.00
J-5511	11	12¾	6¾	55	Pinol	50.00

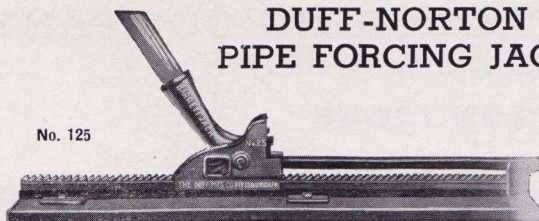
A—Minimum outside diameter of pinion that can be pulled.  
B—Maximum outside diameter of pinion that can be pulled.  
C—Maximum allowable distance of inner edge of pinion from end of shaft.

Prices subject to change without notice.



## DUFF-NORTON PIPE FORCING JACK

No. 125



This unique jack has been successfully used by many public service companies and contractors for laying water, gas, and other pipe in places difficult of access—such as under lawns, railroad crossings, streets, etc.

It will force pipe, from  $\frac{3}{4}$ " to 4", through favorable ground conditions from 60 to 300 feet, eliminating digging long trenches. A trench 9 feet long is required for the operation of the jack at the starting point. Pipe can be forced  $7\frac{1}{2}$  feet before resetting the jack for a new piece of pipe, which is then inserted to permit pushing the first length forward.

Jack No.	Capacity Tons	Total Length Feet	Travel of Cage Feet	Weight Pounds	Code Word	List Price
125	15	$8\frac{1}{2}$	$7\frac{1}{2}$	307	Pipe	\$75.00



## DUFF-NORTON BALL BEARING JACK SCREWS

The Only Jack Screws That Center the Load on a Full Complement of Chrome Ball Bearings.

Size Screw and Height Stand Inches	Height Overall Closed Inches	Height Overall Extended Inches	Capacity Tons	Weight Each, Lbs.	List Price Each Jacks†	List Price Special Operating Lever
1x 6	8	$12\frac{1}{2}$	5	4	\$2.60	*
$1\frac{1}{4}$ x 4	$6\frac{1}{2}$	9	10	7	2.90	\$ .60
$1\frac{1}{4}$ x 6	$8\frac{1}{2}$	13	10	9	3.10	.60
$1\frac{1}{4}$ x 8	$10\frac{1}{2}$	17	10	11	3.40	.60
$1\frac{1}{4}$ x10	$12\frac{1}{2}$	21	10	13	3.80	.60
$1\frac{1}{4}$ x12	$14\frac{1}{2}$	25	10	16	4.20	.60
$1\frac{1}{2}$ x 4	$6\frac{3}{4}$	$9\frac{3}{4}$	12	11	3.25	.80
$1\frac{1}{2}$ x 6	$8\frac{3}{4}$	$12\frac{3}{4}$	12	12	3.75	.80
$1\frac{1}{2}$ x 8	$10\frac{3}{4}$	$16\frac{3}{4}$	12	14	4.25	.80
$1\frac{1}{2}$ x10	$12\frac{3}{4}$	$20\frac{3}{4}$	12	15	4.75	.80
$1\frac{1}{2}$ x12	$14\frac{3}{4}$	$24\frac{3}{4}$	12	19	5.25	.80
$1\frac{1}{2}$ x14	$16\frac{3}{4}$	$28\frac{3}{4}$	12	26	6.00	.80
$1\frac{3}{4}$ x 6	9	13	16	14	4.50	1.00
$1\frac{3}{4}$ x 8	11	17	16	16	5.00	1.00
$1\frac{3}{4}$ x10	13	21	16	19	5.75	1.00
$1\frac{3}{4}$ x12	15	25	16	21	6.25	1.00
$1\frac{3}{4}$ x14	17	29	16	24	6.75	1.00
$1\frac{3}{4}$ x16	19	33	16	37	7.50	1.00

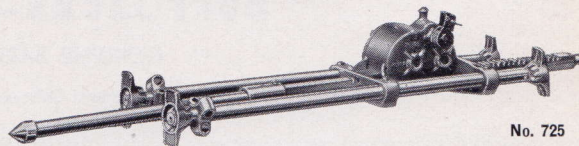
†List price of Jack does not include lever bar. \*Operating levers for size  $1\frac{1}{4}$ x6" furnished with Jack on request.

Built in 38 sizes, Duff-Norton Ball Bearing Jack Screws conform to S.P.R. 97-30 issued by the United States Department of Commerce, Simplified Practice Division.

Prices subject to change without notice.

## DUFF-NORTON PIPE PULLING and PUSHING JACK

No. 725



Pipe pushing has not only been made easier and more simplified by this new member of the Duff-Norton line, but also the time consumed in doing a job of this nature has been cut down tremendously. No more need you tear up a lawn or a street, or barrow through a hillside to lay a pipe line, because Duff-Norton has solved your problem in a much more simple and efficient manner with this new Pipe Pusher. This jack was designed for pulling or pushing WITHOUT CHANGING THE POSITION OF THE JACK, which is braced in the pit after having been lined up in the direction which pipe or rod is to be pulled or pushed. The mechanism is of the geared type and represents the strongest construction and most powerful tool of this type on the market.

Jack No.	Length Feet	Travel Inches	Weight Pounds	Code Word	List Price
725	6	36	395	Parep	\$200.00

Jack furnished with coupling for rack connection and pilots for end of 2 inch pipe.

Size Screw and Height Stand Inches	Height Overall Closed Inches	Height Overall Extended Inches	Capacity Tons	Weight Each, Lbs.	List Price Each Jacks†	List Price Special Operating Lever
2x 5	$8\frac{1}{2}$	11	20	19	5.00	1.60
2x 6	$9\frac{1}{2}$	13	20	20	5.25	1.60
2x 8	$11\frac{1}{2}$	17	20	21	6.00	1.60
2x10	$13\frac{1}{2}$	21	20	25	6.75	1.60
2x12	$15\frac{1}{2}$	25	20	27	7.50	1.60
2x14	$17\frac{1}{2}$	29	20	32	8.25	1.60
2x16	$19\frac{1}{2}$	33	20	35	9.25	1.60
2x18	$21\frac{1}{2}$	37	20	50	10.25	1.60
$2\frac{1}{2}$ x 6	10	13	24	34	7.75	2.40
$2\frac{1}{2}$ x 8	12	17	24	38	8.75	2.40
$2\frac{1}{2}$ x10	14	21	24	44	9.75	2.40
$2\frac{1}{2}$ x12	16	25	24	49	10.75	2.40
$2\frac{1}{2}$ x14	18	29	24	55	12.00	2.40
$2\frac{1}{2}$ x16	20	33	24	64	13.25	2.40
$2\frac{1}{2}$ x18	22	37	24	69	14.50	2.40
$2\frac{1}{2}$ x20	24	41	24	72	15.75	2.40
3x 8	13	17	30	50	17.50	3.20
3x14	19	28	30	76	19.50	3.20
3x18	23	36	30	83	22.00	3.20
3x24	29	48	30	120	25.75	3.20



# THE DUFF-NORTON MANUFACTURING COMPANY

Manufacturers of

## DUFF JACKS—NORTON JACKS

GENUINE BARRETT TRACK JACKS

General Offices: Pittsburgh, Pa., U.S.A.

Effective August 1, 1939

Public Utilities Section Page No.	TYPE OF JACK AND STYLE NUMBERS	Suggested Consumer Resale Schedule	
		Jacks	Parts
2	Cable Reel Jacks, 1030-CR, 520-CR, 530-CR, 521-CR, 518-CR, 539-CR.....	10%	10%
3	Cable Reel Jack, 46-CR.....	10%	10%
3	Pole Pulling Jack, 500.....	10%	10%
3	Pole Snubbing Jack, 565.....	20%	
4	General Purpose Jacks, 523, 1523.....	10%	10%
4	Automatic Lowering Jacks, 1017, 1020, 1022, 1522, 1528, 2028.....	10%	10%
4	Combination Trip and Automatic Lowering Jack, 110.....	10%	10%
5	Side Lift Track Jack, 304.....	10%	10%
5	Low Height Jacks, Journal Type, 111-C, 2509-C-1, 2510-C-1 3510-C-1, 5010-C, 1007.....	Net	Net
5	Low Height Jacks, Inverted Foot-Lift Type, 5017, 5016.....	Net	Net
6	Ball Bearing Screw Jacks, B-1522, F, 60, B-2522, B-2526, B-3522, B-3526, B-5024, B-5027.....	Net	Net
6	Governor Controlled Self-Lowering Jacks, 2219, 2819, 3419.....	Net	Net
6	Pinion Puller, 55.....	30%	30%
7	Pipe Forcing and Pipe Pulling and Pushing Jacks, 125, 725.....	5%	Net
7	Ball Bearing Jack Screws—All Sizes.....	40%	

### F. O. B. TERMS

On complete Jacks (except Ball Bearing Jack Screws) F. O. B. Cars your City, with freight prepaid.

On complete Jacks for shipment to western territory bounded by eastern boundary lines of Montana, Wyoming, Colorado, New Mexico and including El Paso in Texas, add 5% to net price.

On complete Jacks shipped direct to your customer, freight prepaid in excess of charges to your City, will be added to invoice.

Ball Bearing Jack Screws—F. O. B. Cars Pittsburgh, Pa., with freight prepaid on 200 lbs. or more.

35% discount in California, Washington and Oregon—F. O. B. Cars San Francisco, Cal., with freight prepaid on 200 lbs. or more.

All Repair-Parts—F.O.B. Cars Pittsburgh, Pa.

TERMS: 1% cash 10 days—30 days net.